



Forest Insect & Disease Management

REPORT NO.
80-3-2

Issued: 12/5/79

AERIAL DETECTION SURVEY OF THE SOUTHERN PINE BEETLE INFESTATIONS ON THE NACHEZ TRACE PARKWAY

LAND OWNERSHIP OF SURVEY AREA: U.S. Department of Interior,
National Park Service, Natchez
Trace Parkway

STATE: Mississippi

AREA WITHIN SURVEY BOUNDARY: Approximately 33,000 acres

DATE: November 27, 1979

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 210

CREW: Robert Bassett, Thomas P. Russell

SURVEY OBJECTIVES

To detect southern pine beetle infestations along the Natchez Trace Parkway in Mississippi.

SURVEY RESULTS

Many southern pine beetle spots were observed along the Parkway. Most of the spots were in the 21-100 size class which indicates a very active beetle population (Table 1). The spots will be ground checked by the Pineville Field Office to determine the trend of the outbreak.

For any additional information, contact

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**SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
USDA FOREST SERVICE, ATLANTA, GA 30309**

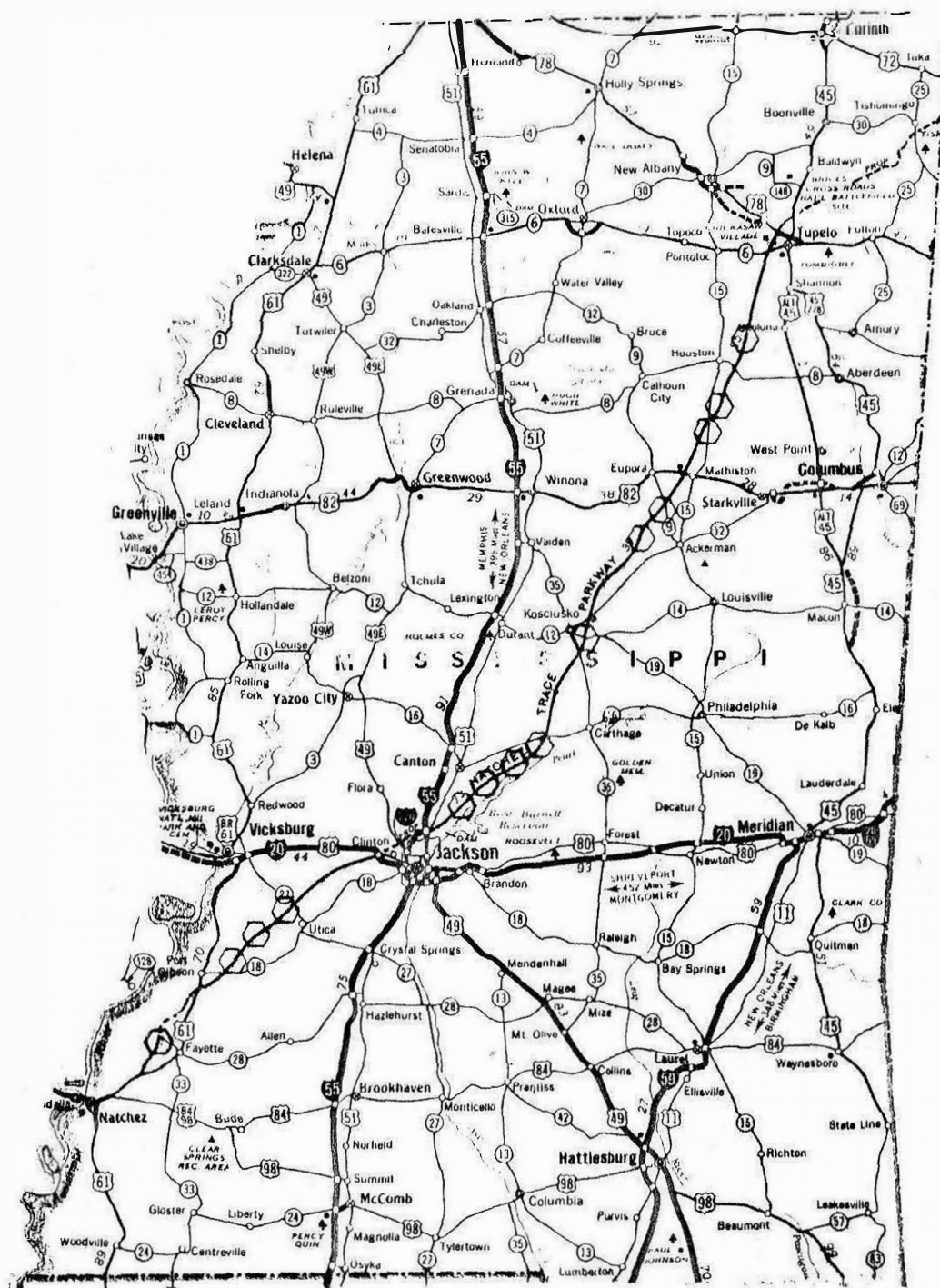
Table 1: Number of southern pine beetle infestations detected along the Natchez Trace Parkway in Mississippi, Nov. 27, 1979

Infestation Size Class (#Trees)

	5-20	21-100	100+
County ^{1/}	Spots:Trees	Spots:Trees	Spots:Trees
Adams	0	0	0
Jefferson	2-16	2-130	0
Claiborne	4-35	4-225	4
Hinds	2-20	4-210	1
Madison	7-61	6-260	2
Leake	4-38	5-175	3
Attala	2-28	2-125	0
Choctaw	8-71	9-550	2
Webster	1-5	5-400	6
Clay	0	1-50	0
Chickasaw	9-72	4-190	1
Pontotoc	0	0	0
Lee	0	0	0
Itawamba	0	0	0
Prentiss	0	0	0
Total: Spots:Trees	39-346	42-2315	19

^{1/} Spots adjacent to Natchez Trace Parkway were plotted. Ground checking will determine if they are actually within the Parkway boundary.

Figure I: Location of Southern Pine Beetle
infestations on Natchez Trace Parkway



Legend

- Areas of heaviest SPB infestation along the Natchez Trace Parkway, Mississippi, on aerial survey of November 28, 1979.